

2006 Engineering Conference Breakout Sessions

2. What do Utahns think about UDOT?

Track: Public Involvement

Presenters: David L. Smith, Director of Client Services PPBH

Synopsis: This session will provide project managers and engineers with a real-world view of what the public thinks about UDOT. Information will be pulled from numerous phone surveys, focus groups and “man on the street” interviews conducted in the last several years for UDOT projects.

Time Required: 50 minutes

9. Update on the US Army Corps of Engineers Regulatory Program

Track: Environmental

Presenters: Michael Jewell, Regulatory Compliance Practice Leader, Jones & Stokes and Shawn Zinszer, Chief, Intermountain Regulatory Section, US Army Corps of Engineers

Synopsis: The session will provide information on current issues related to Section 404 of the Clean Water Act, including jurisdiction, permitting, mitigation and enforcement. Presentation topics will include a recent Supreme Court decision, proposed regulations, and new guidance and policies. The presentation will be followed by a Q&A.

Time Required: 50 minutes

14. Subsurface Utility Engineering

Track: Design

Presenters: Phillip Meis, JUB Engineering, Casey Brown

Synopsis: One of the key objectives with the subsurface utility engineering (SUE) process is to develop designs that mitigate utility conflicts and relocates. However, placement and labeling of facilities onto design cross sections historically has been a laborious, manual activity. Recent data processing technology now allows existing utility infrastructure to be chained in 3D and brought into InRoads Civil Design for automated depiction on cross sections and profiles. This procedure will be presented along with a demonstration of how MicroStation active tags are used to query and geo-reference utility data in relational database format, including digital photographs. Anyone involved with design development and utility coordination will be interested.

Time Required: 50 minutes

26. Assessing the Safety Impacts of Access Management Techniques

Track: Traffic & Safety

Presenters: Grant Schultz, BYU, Jeff S. Lewis, EIT

Synopsis: Traffic volumes and congestion across the state of Utah have continued to increase in recent years, particularly on arterial streets. This increased traffic volume has increased the emphasis on implementing access management techniques to alleviate some of the safety concerns associated with access on arterial streets. To determine the safety benefits provided by access management techniques in the state of Utah, an evaluation of the safety performance of arterials in which access management techniques have been implemented within the state was performed. Several locations where access management techniques have been implemented were selected for the safety analysis. Although crash rates were not reduced as a result of the access management techniques in every case, other safety improvements were observed. The purpose of this session is to present the results of this analysis and to discuss the safety impacts of access management techniques.

Time Required: 50 minutes

31. Traffic Signals

Track: Traffic

Presenters: Oanh Le, Scott Jones, Larry Montoya

Synopsis: Overview of signal design concepts, standards, and expectations. Review updated standards and specifications. Review lessons learned and design pitfalls.

Time Required: 50 minutes

62. Bridge Aesthetics

Track: Structures

Presenters: Robert J Shulock

Synopsis: This session will investigate concepts for implementing cost effective Structural aesthetics into projects.

Time Required: 50 minutes

67. Contract Management System/ePM

Track: Project Management

Presenters: Gaye Hettrick, Alan Loiacono, Raeleen Sanchez, Becky Stromness

Synopsis: An overview of the new Consultant Services Contract Management System that has been developed within ePM. The new CMS system will facilitate Project Managers in their requests for Pool and RFQ Contracts. The system will aid Project Managers in identifying potential Consultants for Pool Contracts. Project Managers will be able to monitor the progress of their contracts online through ePM. Information will be provided on Contract Requests, Contract Status, R709s, Cooperative Agreements, and Modification Requests

Time Required: 50 minutes (Internet Access)

74. Avoiding the Bermuda Triangle

Track: ROW

Presenters: Wayne Larsen, Ray Bennett and Eric Lyon.

Synopsis: This phenomenon is known to adversely affect a project's advertising date. The trepidation of acquiring right of way could triangulate a project's budget, scope and schedule. Come witness examples of this phenomenon, learn how to navigate around its gravitational influence, clear your project's right of way on time, on budget, and without limitations.

Time Required: 50 minutes